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PATENT APPLICATION
Attorney Docket No.: 27656/38053

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hafen, E.) I hereby certify that this paper is being
Serial No.: 10/019,098) deposited with the United States Postal
Filed: April 4, 2002) Service as First Class Mail, postage
For: In Vivo Model System for Type-) prepaid in an envelope addressed to:
2 Diabetes) Commissioner for Patents, Washington,
Group Art Unit: 1645) D.C. 20231, on this date:
Examiner: To be assigned) June 6, 2002
Jeffrey S. Sharp _____
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**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§1.56, 1.97 AND 1.98**

Commissioner for Patents
Washington, D.C. 20231

Sir:

The applicants request that the documents listed on the attached Form PTO-1449 be made of official record in the above-identified application and considered by the Examiner. Copies of all listed documents are submitted herewith.

This Information Disclosure Statement is not intended to be an admission that a search has been made, that other relevant art does not exist, or that any of the information disclosed herein constitutes prior art under 35 U.S.C. §102 or 35 U.S.C. §103.

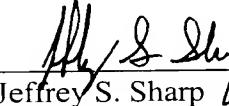
This Information Disclosure Statement is submitted before the receipt of an Office Action on the merits of the above-identified application and consequently should be considered by the Patent Office without payment of a fee. See 37 C.F.R. §1.97(b).

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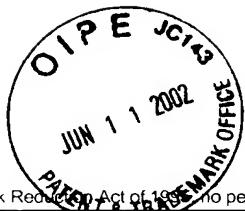
However, please charge any necessary fees due in connection with this Information Disclosure Statement to Deposit Account No. 13-2855. A copy of this paper is enclosed herewith.

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/019,098	RECEIVED
Filing Date	April 4, 2002	JUN 1 2002
First Named Inventor	Ernst Hafen	
Group Art Unit	1645	
Examiner Name	To be assigned	TECH CENTER 1600/2900

Attorney Docket Number

27656/38053

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
A1	4,774,321		09-07-1988	Rosner et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code-Number-Kind Code (if known)				
B1	WO 99/05258		02-04-1999	The Regents of the University of California		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
C1	Berg et al., "Studies on the Rate and Site-Specificity of P Element Transposition," <i>Genetics</i> , 127:515-524 (1991).		
C2	Bohni et al., "Autonomous Control of Cell and Organ Size by CHICO, a <i>Drosophila</i> Homolog of Vertebrate IRS1-4," <i>Cell</i> , 97:865-875 (1999).		
C3	Edgar, B., "From Small Flies Come Big Discoveries About Size Control," <i>Nat. Cell. Biol.</i> , 1:E191-E193 (1999).		
C4	Leevers et al., "The <i>Drosophila</i> Phosphoinositide 3-Kinase Dp110 Promotes Cell Growth," <i>EMBO Journal</i> , 15:6584-6594 (1996).		
C5	Leevera, S., "All Creatures Great and Small," <i>Science</i> , 285:2082-2083 (1999).		
C6	LeRoith, D., "Editorial: A Novel <i>Drosophila</i> Insulin Receptor : Fly in the Ointment or Evolutionary Conservation," <i>Endocrinology</i> , 136:2355-2356 (1995).		
C7	Molz et al., "Cpk is a Novel Class of <i>Drosophila</i> PtdIns 3-Kinase Containing a C2 Domain," <i>J. Biol. Chem.</i> , 271:13892-13899 (1996).		
C8	The et al., "Rescue of a <i>Drosophila</i> NF1 Mutant Phenotype by Protein Kinase A," <i>Science</i> , 276:791-794 (1997).		
C9	Weinkove et al., "The Genetic Control of Organ Growth: Insights from <i>Drosophila</i> ," <i>Curr. Opin. Genet. Dev.</i> , 10:75-80 (2000).		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant